

# Product datasheet

Specifications



## Circuit breaker, GoPact MCCB 125, 3 poles, 15kA at 415VAC, 50A rating, TMD trip unit, fixed thermal protection

G12E3F50

### Main

|  |  |
|--|--|
| Range of product                                     | GoPact MCCB  |
| Product or component type                            | Circuit breaker  |
| Product name   | GoPact MCCB 125  |
| Device application                                   | Distribution   |
| Poles description                                    | 3P   |
| Protected poles description                          | 3D   |
| [In] rated current                                   | 50 A at 40 °C  |
| [Ue] rated operational voltage                       | 415 V AC 50/60 Hz conforming to EN/IEC 60947-2   |
| Suitability for isolation                            | Yes conforming to EN/IEC 60947-2   |
| Utilisation category                                 | Category A   |
| [Icu] rated ultimate short-circuit breaking capacity | 15 kA Icu at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>25 kA Icu at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Performance level                                    | E 15 kA 380/415 V AC   |
| Trip unit name                                       | TM-D   |
| Trip unit technology                                 | Thermal-magnetic   |
| Trip unit protection functions                       | LI   |
| Control type   | Toggle   |
| Circuit breaker mounting mode                        | Fixed  |

### Complementary

|   |  |
|---|--|
| [Ui] rated insulation voltage                       | 440 V AC conforming to EN/IEC 60947-2  |
| [Uimp] rated impulse withstand voltage              | 6 kV conforming to EN/IEC 60947-2  |
| [Ics] rated service short-circuit breaking capacity | 15 kA at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>25 kA at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Mechanical durability                               | 30000 cycles   |
| Electrical durability                               | 8000 cycles at 415 V In  |
| Power dissipation per pole                          | 18.7 W   |
| Mounting support                                    | Backplate  |
| Mounting position                                   | Horizontal and vertical<br>Flat on the back  |

|   |  |
|---|--|
| Upside connection   | Front  |
| Downside connection                                       | Front  |
| Connection terminals                                      | screw terminals  |
| Connection pitch  | 25 mm  |
| Protection type   | L : for overload protection (thermal)<br>I : for short-circuit protection (magnetic) |
| Trip unit rating  | 50 A at 40 °C  |
| Long-time pick-up adjustment type Ir (thermal protection) | Fixed  |
| [Ir] long-time protection pick-up adjustment range        | 1 x In   |
| Long-time protection delay adjustment type tr             | Fixed  |
| Instantaneous protection pick-up adjustment type li       | Fixed  |
| [li] instantaneous protection pick-up adjustment range    | 10 x In  |
| Width (W)   | 75 mm  |
| Height (H)  | 130 mm   |
| Depth (D)   | 60 mm  |
| Product weight  | 0.7 kg   |
| Colour  | Grey (RAL 7035)  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN/IEC 60947-1<br>EN/IEC 60947-2<br>EN/IEC 60947-2 Annex H |
| Overvoltage category                  | III  |
| Pollution degree                      | 3 conforming to IEC 60664-1                                |
| IP degree of protection               | IP20 conforming to IEC 60529                               |
| Ambient air temperature for operation | -20...55 °C  |
| Ambient air temperature for storage   | -35...85 °C  |
| Operating altitude                    | 0...2000 m without derating<br>2000...5000 m with derating |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 12.4 cm  |
| Package 1 Width              | 8.5 cm   |
| Package 1 Length             | 13.9 cm  |
| Package 1 Weight             | 0.908 kg |

## Offer Sustainability

|                          |  |
|--------------------------|--|
| Sustainable offer status | Green Premium product                            |
| REACH Regulation         | <a href="#">REACH Declaration</a>                |
| EU RoHS Directive        | Compliant<br><a href="#">EU RoHS Declaration</a> |

|                                   |   |
|-----------------------------------|---|
| <b>Mercury free</b>               | Yes   |
| <b>China RoHS Regulation</b>      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| <b>RoHS exemption information</b> | Yes   |
| <b>Environmental Disclosure</b>   | <a href="#">Product Environmental Profile</a>   |
| <b>Circularity Profile</b>        | <a href="#">End of Life Information</a>   |
| <b>WEEE</b>                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| <b>PVC free</b>                   | Yes   |

**Recommended replacement(s)**